

IN THE CLAIMS

Claims 6-7, 9-10, 12-18, 23-33 and 35-40 are amended herein. Claims 1-5, 19-20, 34 and 41 are canceled herein. Claims 21, 22 and 42 are previously canceled. All pending claims and their present status are produced below.

1-5. (Cancelled)

6. (Currently Amended) The method of claim [[5]] 26, wherein the musical segment comprises one from the group of: a piece, song, stanza, movement, bar, chorus, and riff.

7. (Currently Amended) The method of claim [[2]] 24, further comprising assigning an identifier to a segment of the music data.

8. (Original) The method of claim 7, wherein the identifier comprises a pointer to a medium.

9. (Currently Amended) The method of claim [[1]] 23, further comprising processing the audio/music data responsive to commands provided by one from the group of: a print dialog, PDL comments, a print driver, and a graphical user interface networked with the ~~audio-processing device-printer~~.

10. (Currently Amended) The method of claim [[1]] 23, further comprising:

archiving the processed audio/music data; and

indexing the archived ~~audio-file~~ audio/music data.

11. (Original) The method of claim 10, wherein the step of indexing comprises assigning a bar code to the musical segment.
12. (Currently Amended) The method of claim ~~[[1]]~~ 23, wherein the audio/music data ~~contains~~ comprises audio speech.
13. (Currently Amended) The method of claim ~~[[11]]~~ 12, further comprising recognizing the audio speech.
14. (Currently Amended) The method of claim ~~[[1]]~~ 23, wherein the processed audio/music data comprises a file printable to a paper document.
15. (Currently Amended) The method of claim ~~[[14]]~~ 23, wherein the processed audio/music data comprises a musical score.
16. (Currently Amended) The method of claim ~~[[1]]~~ 23, wherein outputting the processed audio/music data comprises playing the audio/music data on a playback device.
17. (Currently Amended) The method of claim ~~[[1]]~~ 23, wherein outputting the processed audio/music data comprises storing the ~~file~~ audio/music data to a storage medium.
18. (Currently Amended) The method of claim ~~[[1]]~~ 23, wherein outputting the processed audio/music data comprises sending the ~~file~~ audio/music data over a network.
- 19-22. (Canceled)

23. (Currently Amended) A method comprising:

receiving by a printer ~~audio~~ audio/music data in a first format, wherein the printer

is a device configured to print to a printable tangible medium;

storing, in an audio/music storage module embedded within the printer, the

audio/music data in the first format;

processing by a conversion module embedded within the printer the ~~audio~~

audio/music data to convert the audio/music data from the first format to a

second format; and

outputting by the printer the processed ~~audio~~ audio/music data in ~~a~~ the second

format.

24. (Currently Amended) The method of claim 23 wherein the ~~audio~~ audio/music data in

the first format comprises music data, and wherein the method further comprises:

mapping musical content from the music data to a file in ~~a~~ the second format.

25. (Currently Amended) The method of claim 23 wherein the ~~audio~~ audio/music data in

the first format comprises music data, and ~~where~~ wherein the method further

comprises:

comparing a melody of the music data to a plurality of melodies; and

matching the melody of the music data to one of the plurality of melodies.

26. (Currently Amended) The method of claim 23 wherein the ~~audio~~ audio/music data in

the first format comprises music data, further comprising:

parsing the music data by musical segment.

27. (Currently Amended) The method of claim 23, further comprising:

indexing the ~~audio~~ audio/music data according to its audio content.

28. (Currently Amended) The method of claim 23, wherein the step of processing the

~~audio~~ audio/music data is performed in part by a device other than the printer and in part by the printer.

29. (Currently Amended) ~~An apparatus~~ A printer for outputting a processed audio/music file comprising:

an interface for receiving audio/music data in a first format;

an audio/music storage module embedded within the printer for storing the received audio/music data;

a processor embedded within the printer and communicatively coupled to the audio/music storage module for processing the audio/music data;

a conversion module embedded within the printer and communicatively coupled to the processor and the audio/music storage module for converting the audio/music data from the first format to an electronic format and to a printable format; and

an output system embedded within the printer for outputting the processed audio/music data in ~~an~~ the electronic format and for printing the processed audio/music data in the printable format to a tangible printable medium.

30. (Currently Amended)The ~~apparatus~~ printer of claim 29, wherein the output system is configured to output the processed audio/music data to at least one of the group of: a printed document, an analog file, an optical disk, a portable device memory, a networked server, and a networked display.
31. (Currently Amended) The ~~apparatus~~ printer of claim 29, wherein the output system is configured to output the processed audio/music data to a digital format and to at least one of the group of: a printed document, an analog file, and a networked display.
32. (Currently Amended)The ~~apparatus~~ printer of claim 29, wherein the output system comprises a disk drive capable of outputting electronic data.
33. (Currently Amended) The ~~apparatus~~ printer of claim 29, wherein the output system comprises a transmitter to broadcast audio/music data.
34. (Canceled)
35. (Currently Amended)The ~~apparatus~~ printer of claim 29, further comprising a conversion module configured to automatically convert the audio/music file from a first format into a third format by converting the audio/music file from a first format into a second format and from the second format into the third format.
36. (Currently Amended)The ~~apparatus~~ printer of claim 35, wherein the second format comprises one from the group of an: electronic score, .wav, .MIDI, and .mp3.

37. (Currently Amended)The ~~apparatus~~ printer of claim 29, wherein the first format comprises an analog music file.
38. (Currently Amended)The ~~apparatus~~ printer of claim 29, further comprising a scoring module for creating a score based on an audio/music file.
39. (Currently Amended)The ~~apparatus~~ printer of claim 29, further comprising a command module for automatically determining the conversion pathway of the audio/music data in the first format to a file in an output format wherein the conversion pathway comprises at least a conversion of the audio/music data in the first format to a second format, and a conversion from the second format to the output format.
40. (Currently Amended)The ~~apparatus~~ printer of claim 29, further comprising a parsing module for segmenting the audio/music file responsive to its audio content.
- 41-42. (Canceled)